



3

Declaration for Patent Application

Docket Number: 1503.1030002

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled: Substituted Indoles and Their Use as Integrin Antagonists,

the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on January 29, 2002;
as United States Application Number or PCT International Application Number 10/058,215; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f), or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application, which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No



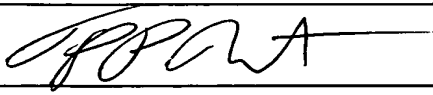
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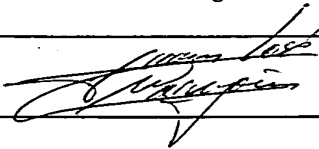
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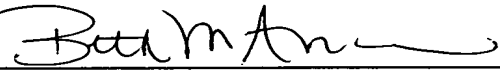
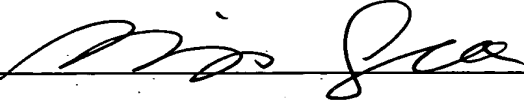
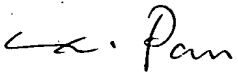
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor	Tianbao Lu	5/7/2002
Signature of sole or first inventor		Date
Residence	Kennett Square, PA	
Citizenship	United States	
Mailing Address	606 Monticello Lane, Kennett Square, Pennsylvania 19348	
Full name of second inventor	Louis V. LaFrance	
Signature of second inventor		Date 5/8/2002
Residence	Crum Lynne, Pennsylvania	
Citizenship	United States	
Mailing Address	212 Morris Circle, Crum Lynne, Pennsylvania 19022	
Full name of third inventor	Thomas P. Markotan	
Signature of third inventor		Date 5/8/02
Residence	Morgantown, Pennsylvania	
Citizenship	United States	
Mailing Address	506 Estate Road, Morgantown, PA 19543	

Full name of fourth inventor	Juan Jose Marugan
Signature of fourth inventor	 Date 5/10/02
Residence	Downingtown, PA
Citizenship	Spain
Mailing Address	200 Campbell Circle, Unit 15, Downingtown, PA 19335
Full name of fifth inventor	Victor J. Marder
Signature of fifth inventor	Date
Residence	Los Angeles, CA
Citizenship	United States
Mailing Address	1001 Westholm Avenue, Los Angeles, CA 90024
Full name of sixth inventor	David C. U'Prichard
Signature of sixth inventor	Date
Residence	Philadelphia, PA
Citizenship	United States
Mailing Address	121 Pine Street, Philadelphia, PA 19106

Full name of seventh inventor		Beth M. Anaclerio	
Signature of seventh inventor		Date 5-7-02	
Residence New Castle, DE			
Citizenship United States			
Mailing Address 2304 Stonebridge Blvd., New Castle, DE 19720			
Full name of eighth inventor			Zihong Guo
Signature of eighth inventor		Date 5/7/02	
Residence Southbury, CT			
Citizenship China			
Mailing Address 684 Kettletown Road, Southbury, CT 06488			
Full name of ninth inventor			Wenxi Pan
Signature of ninth inventor		Date 05/07/02	
Residence Exton, PA			
Citizenship Peoples Republic of China			
Mailing Address 233 Apple Drive, Exton, PA 19341			

Full name of tenth inventor		Kristi A. Leonard
Signature of tenth inventor		<i>Kristi Leonard</i>
		Date 5/07/02
Residence West Chester, PA		
Citizenship United States		
Mailing Address 2 Waterview Road, #L-1, West Chester, PA 19380		

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(Supply similar information and signature for subsequent joint inventors, if any)

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the specification of which is attached hereto unless the following box is checked:

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(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

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1100 New York Avenue, N.W.
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Signature of fourth inventor	Date
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Citizenship Spain	
Mailing Address 200 Campbell Circle, Unit 15, Downingtown, PA 19335	
Full name of fifth inventor	Victor J. Marder
Signature of fifth inventor	Date
Residence Los Angeles, CA	
Citizenship United States	
Mailing Address 1001 Westholm Avenue, Los Angeles, CA 90024	
Full name of sixth inventor	David C. U'Prichard
Signature of sixth inventor	Date
Residence Philadelphia, PA	
Citizenship United States	
Mailing Address 121 Pine Street, Philadelphia, PA 19106	

Full name of seventh inventor Beth M. Anaclerio	
Signature of seventh inventor	Date
Residence New Castle, DE	
Citizenship United States	
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Signature of eighth inventor	Date
Residence Southbury, CT	
Citizenship China	
Mailing Address 684 Kettletown Road, Southbury, CT 06488	
Full name of ninth inventor Wenxi Pan	
Signature of ninth inventor	Date
Residence Exton, PA	
Citizenship Peoples Republic of China	
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Signature of tenth inventor	Date
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(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

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Signature of third inventor	Date
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Signature of fourth inventor	Date
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Signature of fifth inventor	Date
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Citizenship United States	
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Signature of sixth inventor <i>David C. U'Prichard</i>	Date 5/8/02
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Citizenship United States	
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Mailing Address 2 Waterview Road, #L-1, West Chester, PA 19380	

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(Supply similar information and signature for subsequent joint inventors, if any)

SKGF_DC1:8783:1



POWER OF ATTORNEY FROM ASSIGNEE

3-Dimensional Pharmaceuticals, Inc., a corporation of Delaware, having a principal place of business at Three Lower Makefield Corporate Center, 1020 Stony Hill Road, Yardley, PA 19067, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed (1) 5/7/02, (2) 5/8/02, (3) 5/8/02, (4) 5/10/02, (5) 5/9/02, (6) 5/8/02, (7) 5/7/02, (8) 5/7/02, (9) 5/7/02 and (10) 5/7/02 of an invention known as **Substituted Indoles and Their Use as Integrin Antagonists** (Attorney Docket No. 1503.1030002), which is disclosed and claimed in a patent application of the same title by the inventor(s) (1) Tianbao Lu (2) Louis V. LaFrance (3) Thomas P. Markotan (4) Juan Jose Marugan (5) Victor J. Marder (6) David C. U'Prichard (7) Beth M. Anaclerio (8) Zihong Guo (9) Wenxi Pan (10) Kristi A. Leonard (said application filed on January 29, 2002 at the U.S. Patent and Trademark Office, having Application Number 10/058,215).

The Assignee hereby appoints Virginia A. Gates of **3-Dimensional Pharmaceuticals, Inc.**, Eagleview Corporate Center, 665 Stockton Drive, Suite 104, Exton, PA 19341, Reg. No. 43,630 and the U.S. attorneys associated with **CUSTOMER NUMBER 28393** to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: Robert Greene Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; Linda E. Alcorn, Esq., Reg. No. 39,588; Lawrence B. Bugaisky, Esq., Reg. No. 35,086; Donald J. Featherstone, Esq., Reg. No. 33,876; and Robert C. Millonig, Esq., Reg. No. 34,395. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934
U.S.A.

Direct phone calls to 202-371-2600.

FOR: 3-DIMENSIONAL PHARMACEUTICALS, INC.

SIGNATURE: Melinda P. Rudolph

BY: Melinda P. Rudolph, Esq.

TITLE: Vice President and General Counsel

DATE: May 10, 2002

SKGF_DC1:9919.1

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SKGF Rev. 8
12/31/01mae

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Certificate Under 37 C.F.R. § 3.73(b)

Applicant/Inventor/Owner: Lu et al.

Application No./Patent No.: 10/058,215 Filed/Issue Date: January 29, 2002

Entitled: Substituted Indoles and Their Use as Integrin Antagonists

3-Dimensional Pharmaceuticals, Inc., a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE:] A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: May 10, 2002

Name: Melinda P. Rudolph, Esq.

Title: Vice President and General Counsel

Signature: Melinda P. Rudolph

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): (1) Tianbao Lu (2) Louis V. LaFrance (3) Thomas P. Markotan (4) Juan Jose Marugan (5) Victor J. Marder (6) David C. U'Prichard, (7) Beth M. Anaclerio (8) Zihong Guo (9) Wenxi Pan (10) Kristi A. Leonard, the undersigned inventor(s) hereby sell(s) and assign(s) to 3-Dimensional Pharmaceuticals, Inc. (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

(a) in the invention(s) known as Substituted Indoles and Their Use as Integrin Antagonists for which applications for patent in the United States of America have been executed by the undersigned on (1) 5/7/02, (2) 5/8/02, (3) 5/8/02, (4) 5/10/02, (5) _____, (6) _____, (7) 5/7/02, (8) 5/7/02, (9) 5/7/02 and (10) 5/7/02 (also known as United States Application No. 10/058,215, filed January 29, 2002), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millonig, Esquire, Registration No. 34,395, all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, and Virginia A. Gates of 3-Dimensional Pharmaceuticals, Inc., Eagleview Corporate Center, 665 Stockton Drive, Suite 104, Exton, PA 19341, Registration No. 43,630 power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: <u>5/7/2002</u>	Signature of Inventor: <u>Tianbao Lu</u> Tianbao Lu
Date: <u>5/8/2002</u>	Signature of Inventor: <u>Louis V. LaFrance</u> Louis V. LaFrance
Date: <u>5/8/02</u>	Signature of Inventor: <u>Thomas P. Markotan</u> Thomas P. Markotan
Date: <u>5/10/02</u>	Signature of Inventor: <u>Juan J. Marugan</u> Juan J. Marugan
Date: _____	Signature of Inventor: _____ Victor J. Marder
Date: _____	Signature of Inventor: _____ David C. U'Prichard
Date: <u>5-7-02</u>	Signature of Inventor: <u>Beth M. Anaclerio</u> Beth M. Anaclerio
Date: <u>5/7/02</u>	Signature of Inventor: <u>Zihong Guo</u> Zihong Guo
Date: <u>05/07/02</u>	Signature of Inventor: <u>Wenxi Pan</u> Wenxi Pan
Date: <u>5/07/02</u>	Signature of Inventor: <u>Kristi A. Leonard</u> Kristi A. Leonard

SKGF_DC1:9912.1

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(a) in the invention(s) known as Substituted Indoles and Their Use as Integrin Antagonists for which applications for patent in the United States of America have been executed by the undersigned on (1) _____, (2) _____, (3) _____, (4) _____, (5) 5/9/02, (6) _____, (7) _____, (8) _____, (9) _____ and (10) _____ (also known as United States Application No. 10/058,215, filed January 29, 2002), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millonig, Esquire, Registration No. 34,395, all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, and Virginia A. Gates of 3-Dimensional Pharmaceuticals, Inc., Eagleview Corporate Center, 665 Stockton Drive, Suite 104, Exton, PA 19341, Registration No. 43,630 power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: _____	Signature of Inventor: _____ Tianbao Lu
Date: _____	Signature of Inventor: _____ Louis V. LaFrance
Date: _____	Signature of Inventor: _____ Thomas P. Markotan
Date: _____	Signature of Inventor: _____ Juan J. Marugan
Date: 5-9-02	Signature of Inventor: _____ Victor J. Marder
Date: _____	Signature of Inventor: _____ David C. U'Prichard
Date: _____	Signature of Inventor: _____ Beth M. Anaclerio
Date: _____	Signature of Inventor: _____ Zihong Guo
Date: _____	Signature of Inventor: _____ Wenxi Pan
Date: _____	Signature of Inventor: _____ Kristi A. Leonard

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): (1) Tianbao Lu (2) Louis V. LaFrance (3) Thomas P. Markotan (4) Juan Jose Marugan (5) Victor J. Marder (6) David C. U'Prichard, (7) Beth M. Anaclerio (8) Zihong Guo (9) Wenxi Pan (10) Kristi A. Leonard, the undersigned inventor(s) hereby sell(s) and assign(s) to **3-Dimensional Pharmaceuticals, Inc.** (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

☒ for the United States of America (as defined in 35 U.S.C. § 100),

☒ and throughout the world,

(a) in the invention(s) known as Substituted Indoles and Their Use as Integrin Antagonists for which applications for patent in the United States of America have been executed by the undersigned on (1) _____, (2) _____, (3) _____, (4) _____, (5) _____, (6) 5/8/02, (7) _____, (8) _____, (9) _____ and (10) _____ (also known as United States Application No. 10/058,215, filed January 29, 2002), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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Date: <u>5/8/02</u>	Signature of Inventor: <u><i>David C. U'Prichard</i></u> David C. U'Prichard
Date: _____	Signature of Inventor: _____ Beth M. Anaclerio
Date: _____	Signature of Inventor: _____ Zihong Guo
Date: _____	Signature of Inventor: _____ Wenxi Pan
Date: _____	Signature of Inventor: _____ Kristi A. Leonard

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